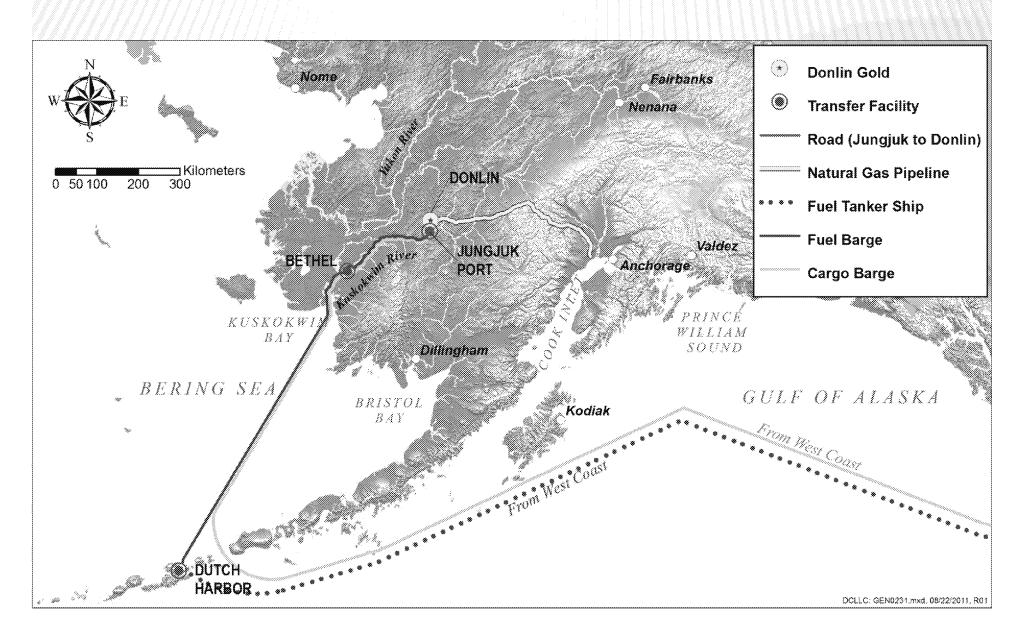


PROJECT COMPONENTS

Mine / Transportation Infrastructure Pipeline



STAKEHOLDERS

- Barrick Gold US. Inc
- NovaGold Resources, Inc.

LANDOWNERS Mine Site (ANCSA)

- Calista Corp. (subsurface)
- The Kuskokwim Corp. (smface)

Transportation Infrastructure

Calista, Kuskokwim, State,City of Bethel

Natural Gas Pipeline Right-of-Way

- State of Alaska (66%)
- Federal BLM (31%)
- Calista Corp. and Cook Inlet (CIRI)

RESIDENTS (Y.K. Region)

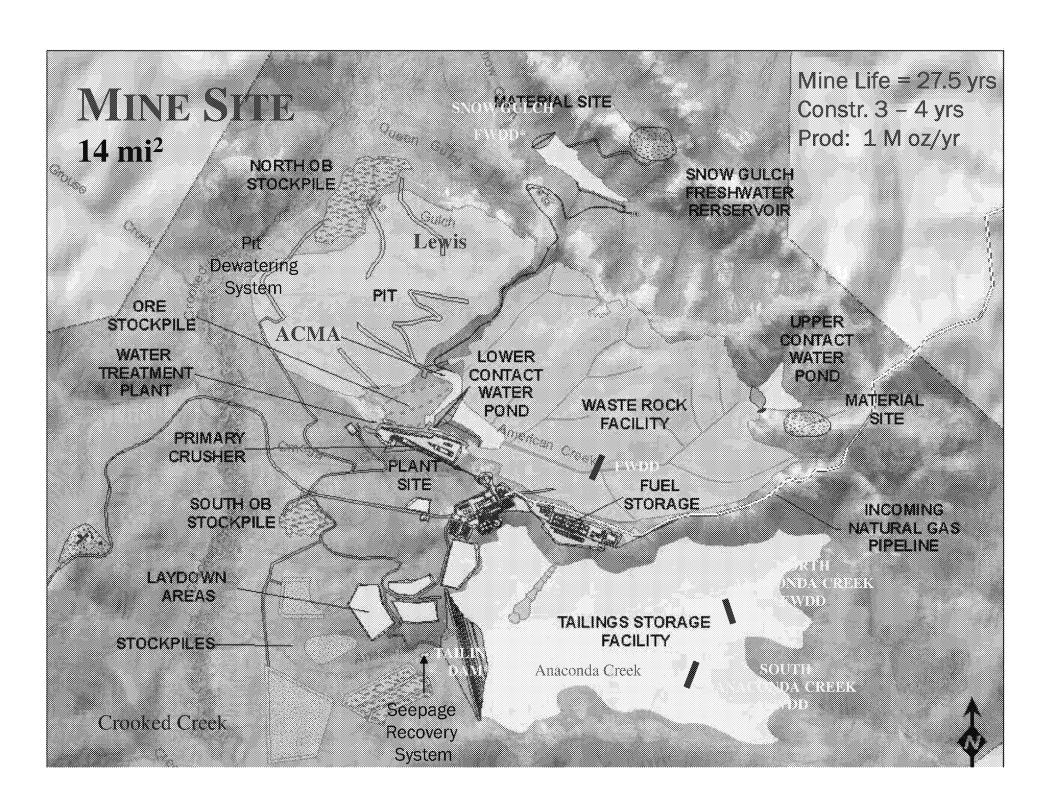
Alaska Unibes (66)

EIS DEVELOPMENT

Corps of Engineers – Lead

Contradant provinces

- BPASIBIEM, PHMSA USBWS
- State = ADNR, ADEC, ADEC
- Tribal Governments (6)
 Aniak, Crooked Creek
 Akiak, Chuathbaluk
 Knik, Napaimute



NEPA & PSD AIR QUALITY ANALYSIS

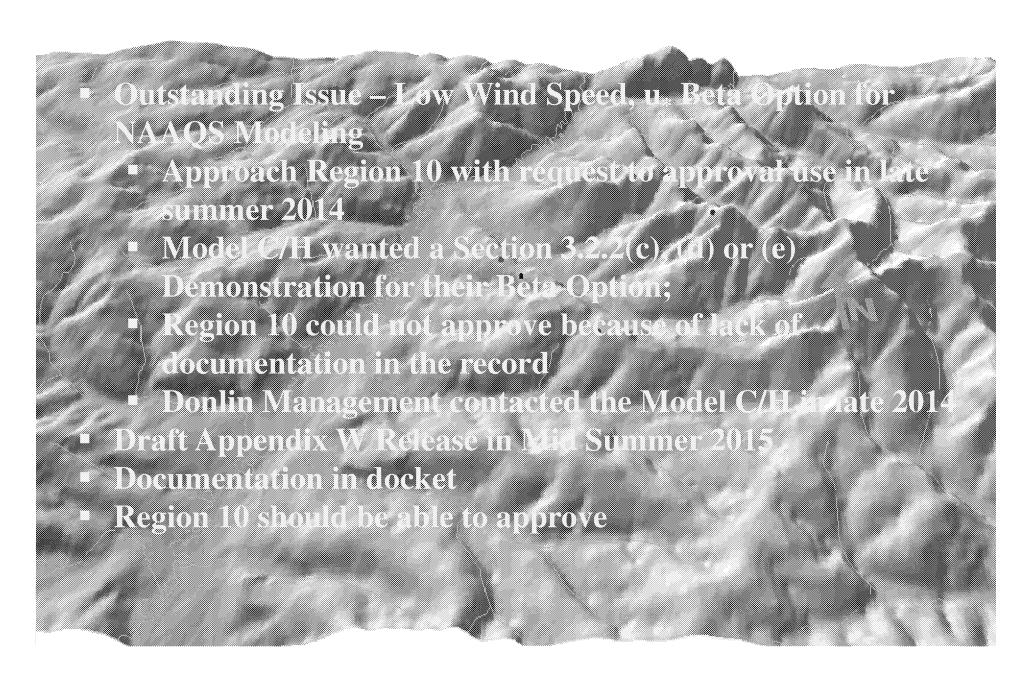
Team:

- Region 10 (NEPA)
 - Herman Wong, OEA, Meteorology and Dispersion Modeling
 - Zach Hedgpeth, OEA, Emissions and Engineering
 - Alex Fidis, ORC, Stationary Source Determination
- State of AK (PSD Permit)
 - Alan Schuler, Dispersion Modeler
 - James Renovatio, Emissions and Engineering
 - Barbara Trost, Meteorology
- Donlin
 - Nick Enos, Permit Lead
 - Air Sciences, Contractor

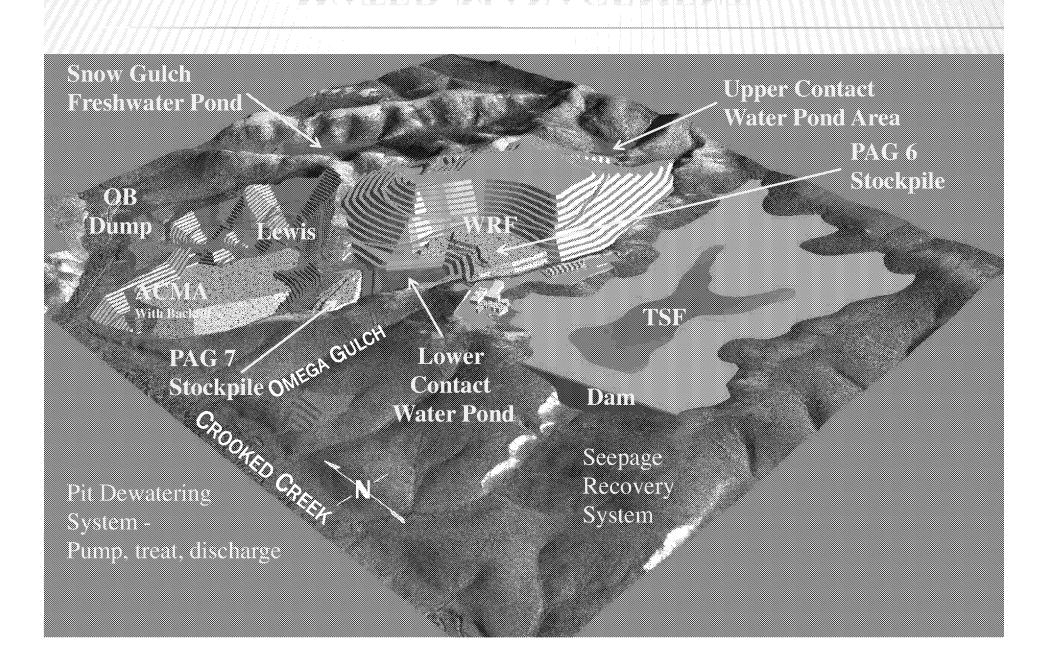
NEPA & PSD AIR QUALITY ANALYSIS

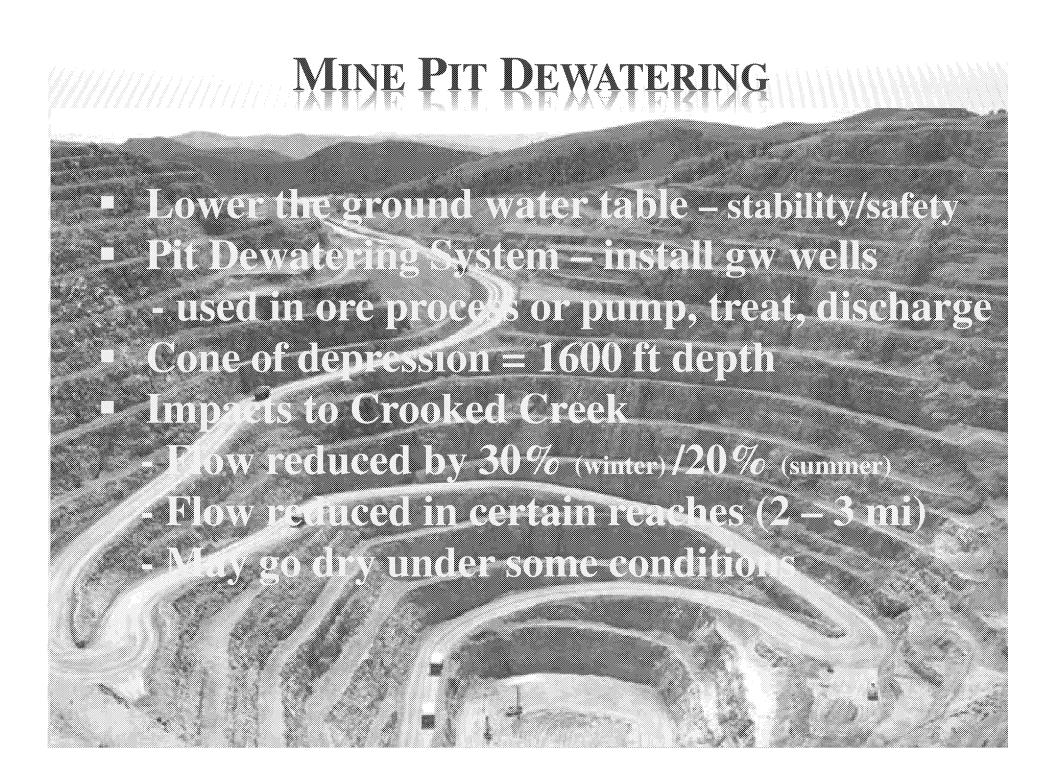
- Region 10 coordinate with NPS and FWS
- Meetings in Anchorage and Seattle
 - Region 10, AK and Donlin Team in Attendance
 - Agree that NEPA and PSD Permit Analyses should be similar
 - Identify, discuss and resolve issues related to PSD Permit
 - Resolve issues consistent with laws, regulations and science
- Over 10 issues were resolved since 2006, some requiring Region 10 approval

NEPA & PSD AIR QUALITY ANALYSIS

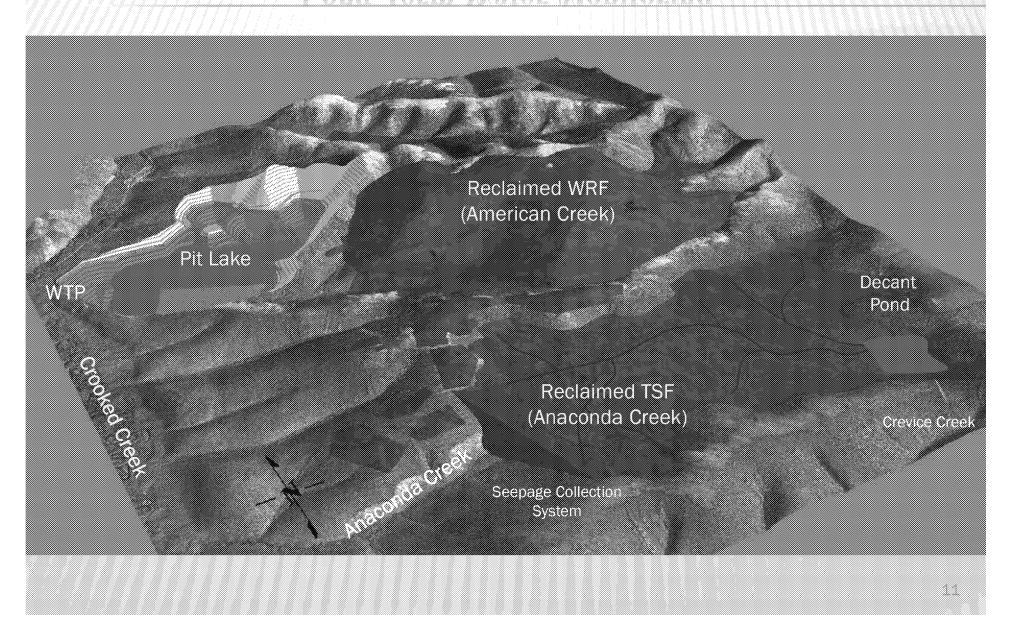


WATER MANAGEMENT



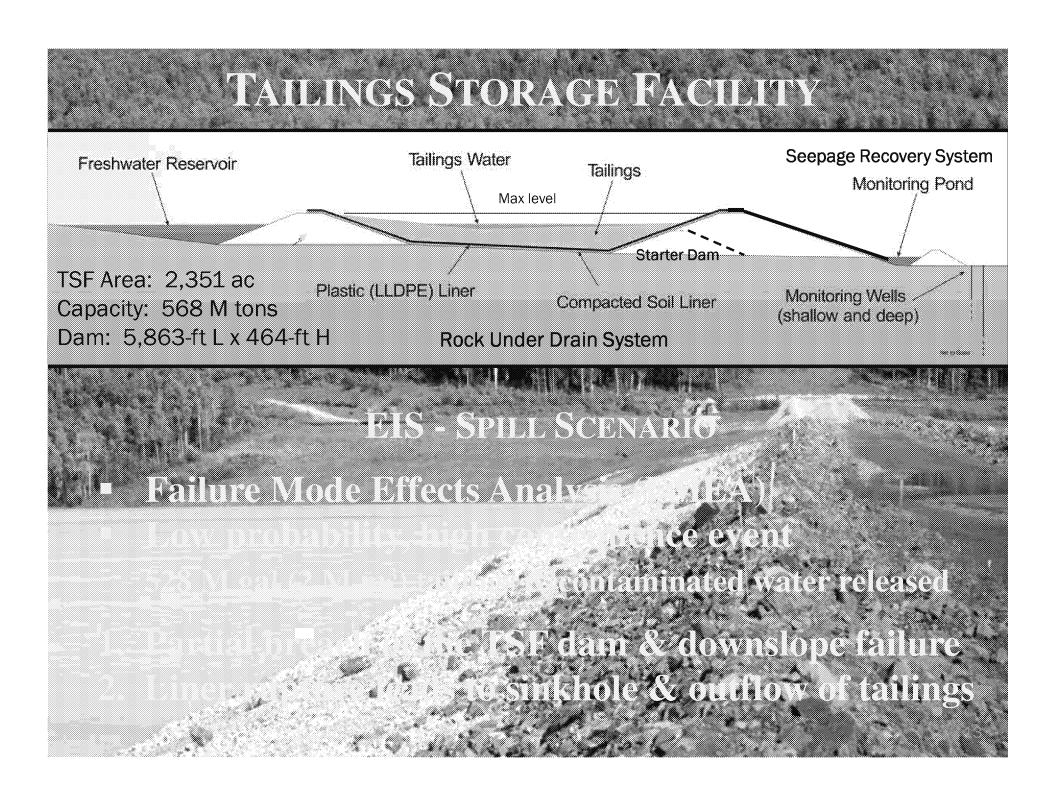


RECLAMATION & CLOSURE Long-Term Water Monitoring

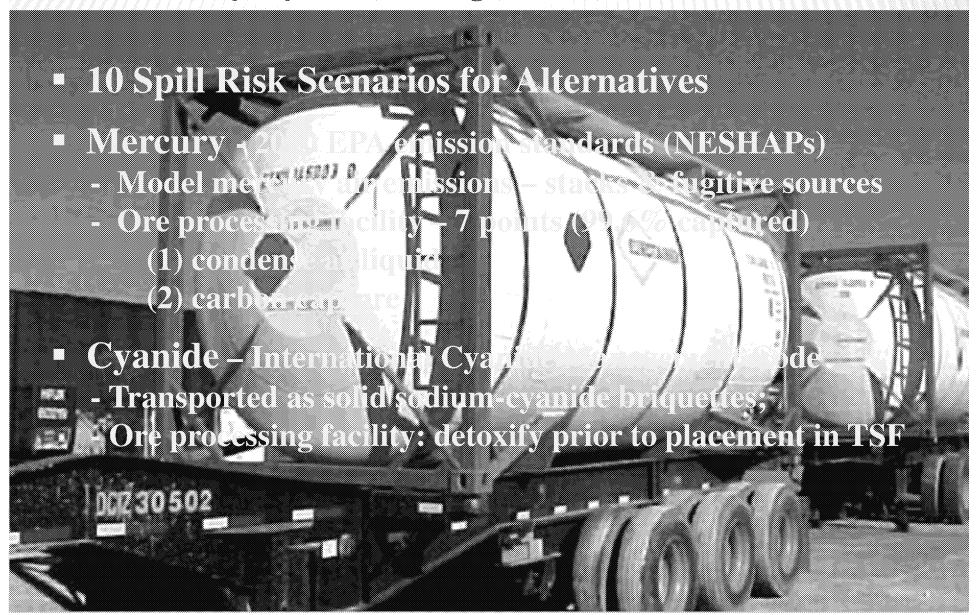


EIS ALTERNATIVES

No Action Don't a faithful brontogethaten $\mathcal{E}_{A}=0.86$ Eq. (4.24) As a variety Hamiltonian \mathcal{E}_{A} 3B = D(c)cccccccReduced Assirance Distance Biren Prog Crossing Port (58%) White Site 5A - Day Stack Tailings 5D – Treat & Dischange Excess Water Modified Pipeline Alignment 6A - Dalzell Gorge Route



CHEMICAL MANAGEMENT Mercury, Cyanide, Tailings, Diesel, Natural Gas, LNG



ACID ROCK DRAINAGE

Oategories	Description	Tons		Management
NAG	Unlikely to generate ARD	2.8 B	93	WRF
PAG 5	Several decades to onset of ARD	87 M	3	Blended with NAG in WRF
PAG 6	Less than a decade to onset of ARD	135 M	4	Minimize contact with water; Place in isolated cells in WRF Pit backfill at closure*
PAG 7	Less than a few years to onset of ARD	2.6 M	<0.1	Low grade ore stockpile Pit backfill at closure*
	Total	3.0 B		

^{*}At closure, the Open Pit will be the Pit Lake, which will submerge the waste rock.

KUSKOKWIM RIVER

River Barge traffic (110 days – June to October)

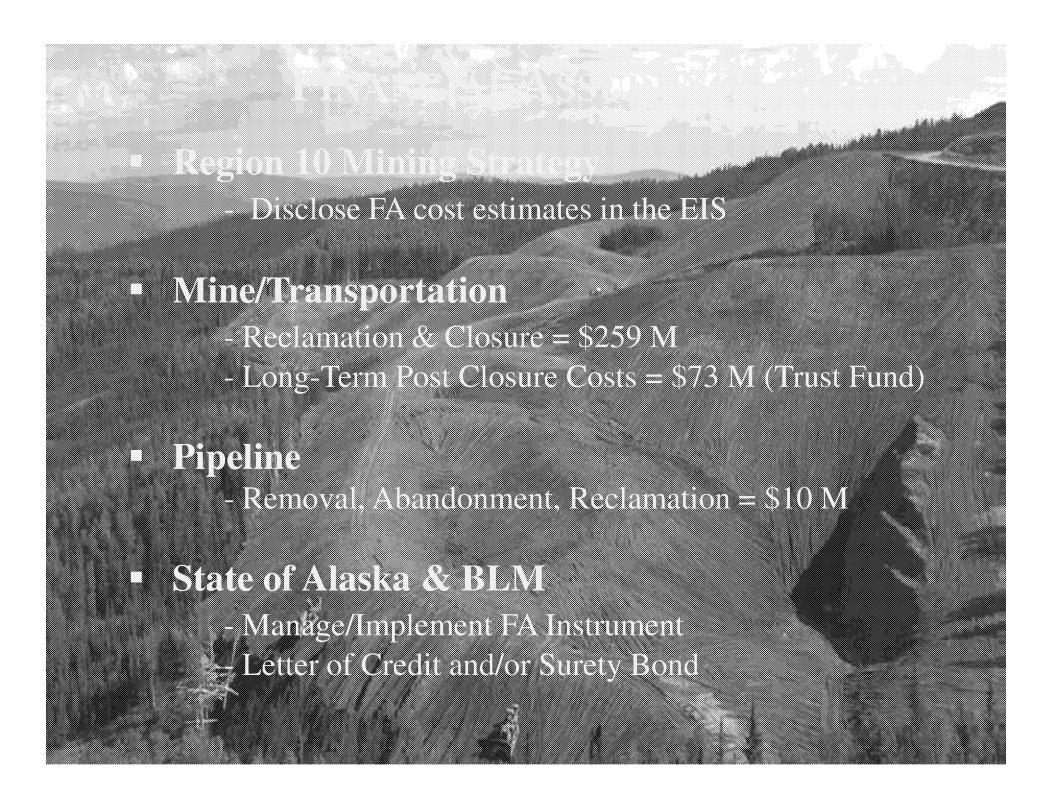
- 68 annual barge trips -----> 122 (avg.)/190 (peak)
- Bryironmental Biffects'- wakes and propeller wash
 - Shoreline Brosion (0.0140 0.21-æres/mile/year)
 - River bed scour, sedimentation, and turbidity
 - Habitat loss and degradation
 - Disturbance/mortality ish & eggs
- King Salmon fishing closures
- Conflicts = sitbsistence/commercial fishing
- Displace small yessels
- Barge Stranding Shallower areas upriver
- Spill Risk dies diffel, cyanide, etc.

WETLANDS COMPENSATORY MITIGATION

- Total scale of impacts is unprecedented, but presuming no significant degradation.
- Most of American and Anaconda creeks would be eliminated, potentially significant impacts to Crooked Creek flow.

Project Composite	Wetland Impa Constru	River/Stream (miles)	
Components	Direct	Indirect	
Mine	5,489 (61%)	1,432	42
Infrastructure	195 (23%)	1,014	2
Pipeline	2,072 (36%)	NA	29
Total:	7,756 (48%)	2,446 (15%)	73

- Wetland Functional Assessment will be used to calculate debits and credits. A 2:1 mitigation ratio applied to the direct impacts would be over 15,000 debits, would require 20,000 acres to offset. Scale of compensation equivalent to project.
- Calista Corporation proposed a mitigation bank that would preserve 20,000 acres. The District did not accept their initial proposal.
- Compensation workshop summer 2015. Mitigation Plan won't be developed until after FEIS issued. Compensation options should be analyzed in EIS.



FINANCIAL ASSURANCE

Alaska Mines

Operation	F.A. Mechanism	Total Bond (\$ Millions)	
Greens Creek Mine	Surety Bond USFS	\$30.5 Currently being updated	
Red Dog Mine	Letter of Credit	\$305.2	
Fort Knox Mine	Letter of Credit	\$65.8 Currently being updated	
True North Mine	Letter of Credit	\$3.1	
Kensington Project	Surety Bond USFS	\$28.7	
Rock Creek Mine	Letter of Credit	\$13.5	
Pogo Mine and Road	Letter of Credit	\$57.1	
Nixon Fork Mine	Surety Bond BLM	\$6.0	
Niblack Project	Letter of Credit	\$1.2	

Source: Presentation by SOA: Alaska Mine Permitting Process Financial Assurance (January 29, 2014).



PONLIN GOLD PROJECT

Questions?

